

## DVD VIDEO PLAYER

DVP6600  
DVP6620

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# PHILIPS

部件名称 Name of the Parts	有毒有害物质或元素 Hazardous/Toxic Substance					
	铅 (Pb, Lead)	汞 (Hg, Mercury)	镉 (Cd, Cadmium)	六价铬 (Chromium 6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
Housing 外壳	O	O	O	O	O	O
DVD loader DVD 光盒	X	O	O	O	O	O
PWBs 电路板组件	X	O	O	O	O	O
Accessories (Remote control & cables) 附件（遥控器， 电源线，连接线）	X	O	O	O	O	O
Batteries in Remote Control (ZnC) 遥控器电池	X	O	O	O	O	O

○：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363 - 2006 标准规定的限量要求以下。  
O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363 - 2006.

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363 - 2006 标准规定的限量要求。  
X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363 - 2006.



### 环保使用期限 **Environmental Protection Use Period**

此标识指期限（十年）， 电子信息产品中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变， 用户使用该电子信息产品不会对环境造成严重污染或对其人身、 财产造成严重损害的期限。

This logo refers to the period ( 10 years ) during which the toxic or hazardous substances or elements contained in electronic information products will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.

### 电池标识 **Battery labeling logo**



### 环保使用期限 **Environmental Protection Use Period**

此标识指期限（五年）， 电池中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变， 用户使用该电池产品不会对环境造成严重污染或对其人身、 财产造成严重损害的期限。

This logo refers to the period ( 5 years ) during which the toxic or hazardous substances or elements contained in the **battery** will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.

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The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

Due to the inconsistency of disc formats provided by various disc manufacturers, your DVD system/ player/recorder may require a playability enhancement or upgrade. As DVD technology advances, these enhancement will become common and will be easy to complete. Go to [www.philips.com/support](http://www.philips.com/support) for software upgrade.

‘CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE ‘STANDARD DEFINITION’ OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.’

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Bahasa Melayu----- 94

English

中文 (繁體)

Bahasa Melayu

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## HDMI

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## Laser Safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

### NOTE:

**Pictures shown maybe different between countries.**

### CAUTION:

**WARNING LOCATION: ON THE BACKPLATE OF THE SET**

**NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.**

### For Customer Use:

Read carefully the information located at the bottom or rear of your DVD Video player and enter below the Serial No. Retain this information for future reference.

Model No. DVP6600 / DVP6620

Serial No. \_\_\_\_\_

### LASER

Type	Semiconductor laser InGaAlP (DVD) AlGaAs (CD)
Wave length	658 nm (DVD) 790 nm (CD)
Output Power	7.0 mW (DVD) 10.0 mW (VCD/CD)
Beam divergence	60 degrees

## Language Code

Abkhazian	6566	Inupiaq	7375	Pushto	8083
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## General Information

### WARNING!

This unit does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.

### Setup precautions

#### Proper handling

To prevent this unit from being scratched, always covers its front surface with a cloth before you place it flat on any surface.

#### Finding a suitable location

- Place this unit on a flat, hard and stable surface. Never place the unit on a carpet.
- Never place this unit on top of other equipment that might heat it up (e.g., receiver or amplifier).
- Never put anything under this unit (e.g., CDs, magazines).
- Install this unit near the AC outlet where the AC power plug can be easily reached.

#### Space for ventilation

- Place this unit in a location with adequate ventilation to prevent internal heat build up. Allow at least 10 cm (4") clearance from the rear and the top of this unit and 5 cm (2") from the left and right to prevent overheating.

#### Avoid high temperature, moisture, water and dust

- This unit must not be exposed to dripping or splashing.
- Never place any object or items that can damage this unit (e.g., liquid filled objects, lighted candles).

### Accessories supplied

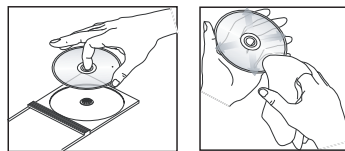
- 1 remote control with batteries
- 1 audio/video cables (yellow/white/red)
- 1 power cable

### Cleaning discs

#### CAUTION!

Risk of damage to discs! Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.

- Wipe the disc with a micro fibre cleaning cloth from the centre to the edge in a straight line movement.



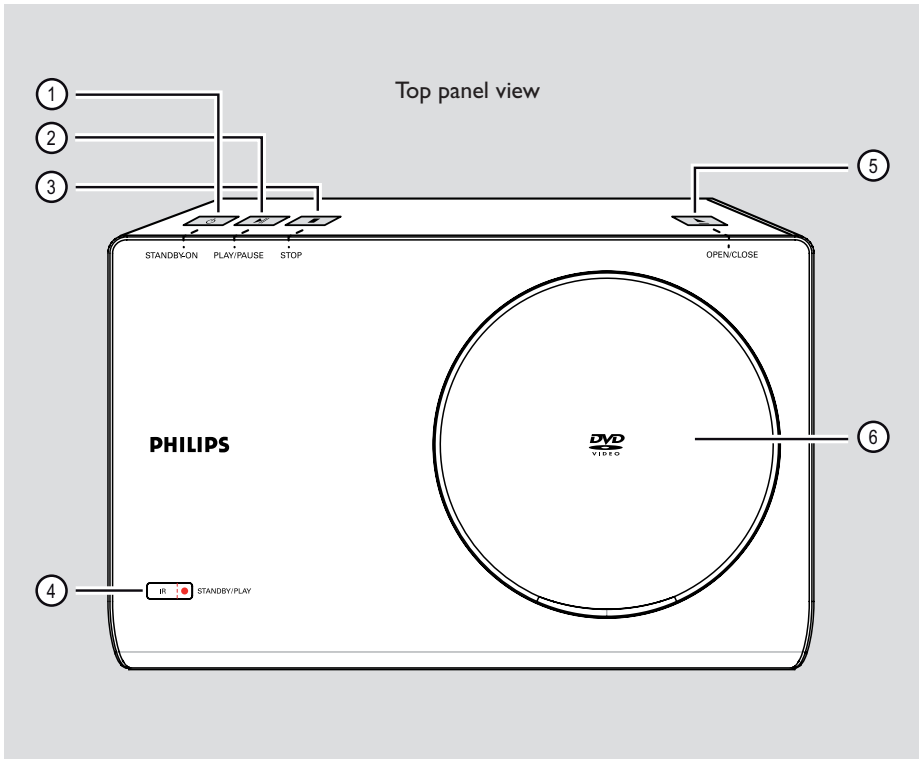
### About recycling

This user manual is printed on non-polluting paper. This unit contains a large number of materials that can be recycled. If you are disposing of an old equipment, please take it to a recycling center. Please observe the local regulations regarding disposal of packaging materials, exhausted batteries and old equipment.



# Your DVD Player

English



## ① **STANDBY-ON**

- Turns on this unit or turns off to normal standby mode.

## ② **PLAY/PAUSE**

- Starts/pauses playback.

## ③ **STOP**

- Exits an operation.
- Disc: stops playback.

## ④ **IR Sensor**

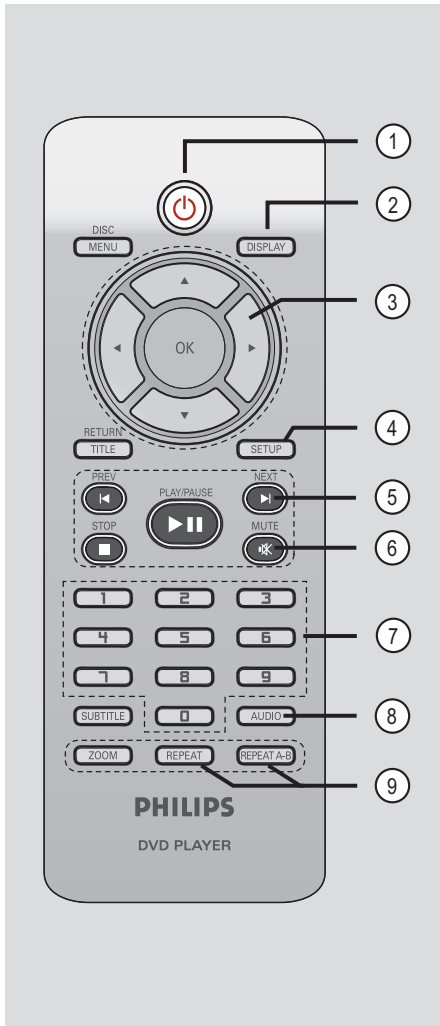
- Point the remote control towards this sensor.

## ⑤ **OPEN/CLOSE**

- Opens/closes the disc compartment.

## ⑥ **Disc compartment**

## Remote Control



### ①

- Turns on this unit or turns off to normal standby mode.

### ② **DISPLAY**

- Displays the current status or disc information.

### ③

- : press up or down for a slow forward or backward search.
- : press left or right for fast forward or backward search.

### ④ **SETUP**

- Enters or exits the disc setup menu.

### ⑤ **NEXT**

- Skips to the next title/chapter/track.
- Press and hold this button for fast forward search.

### ⑥ **MUTE**

- Mutes or restores the volume.

### ⑦ **Numeric keypad 0-9**

- Selects a track or chapter number of the disc.

### ⑧ **AUDIO**

- Selects an audio language or channel.

### ⑨ **REPEAT**

- Selects various repeat modes; turns off repeat mode.

#### **REPEAT A-B**

- Repeat playback a specific section on a disc.

## Remote Control (continued)

English

### ⑩ DISC MENU

- Enters or exits disc contents menu.
- For VCD 2.0 only, switches on or off the playback control mode.

### ⑪ OK

- Confirms an entry or selection.

### ⑫ RETURN/TITLE

- Returns to the previous menu or shows title menu

### ⑬ PREV ◀

- Skips to the previous title/chapter/ track
- Press and hold this button for fast backward search.

### ⑭ STOP ■

- Exits an operation.
- Stops playback.

### ⑮ PLAY/PAUSE ▶||

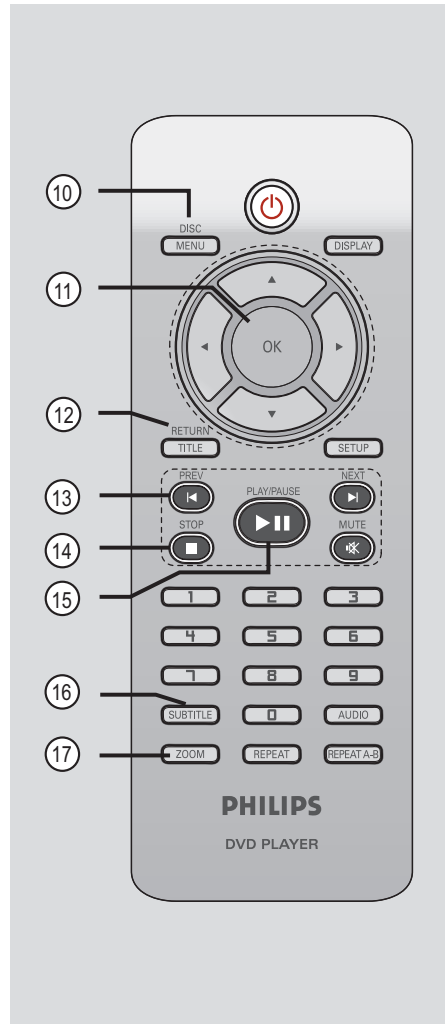
- Starts or pauses playback.

### ⑯ SUBTITLE

- Selects a DVD subtitle language.

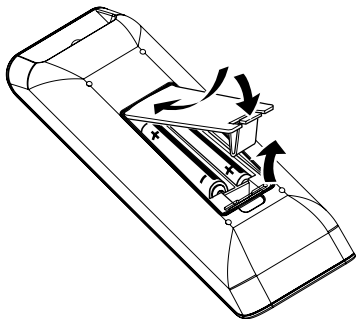
### ⑰ ZOOM

- Zoom in or out the picture on the TV.

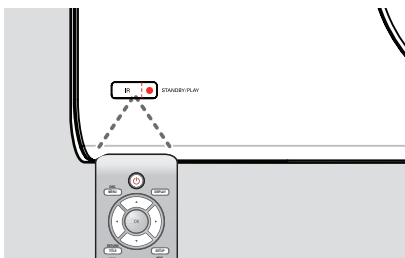


## Remote Control (continued)

### Using the remote control



- ① Open the battery compartment.
- ② Insert two batteries type R03 or AAA, following the indications (+ -) inside the compartment.
- ③ Close the cover.
- ④ Point the remote control directly at the remote sensor (IR) on the front panel.



#### Note:

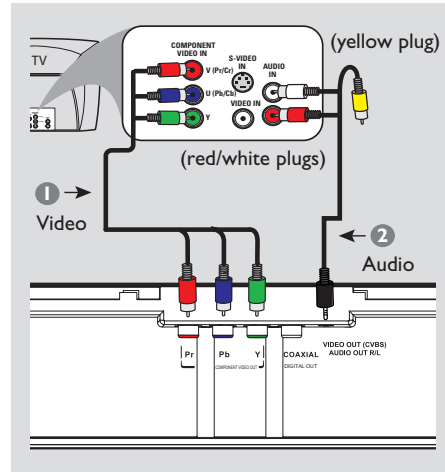
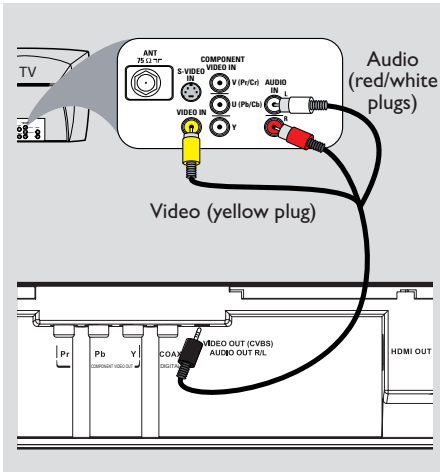
Never place any objects between the remote control and this unit while operating.

- ⑤ Select the desired function (for example ►II).

#### CAUTION!

- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
- Never mix batteries (old and new or carbon and alkaline, etc.).
- Batteries contain chemical substances; they should be disposed of properly.

## Basic Connections



### Step 1: Connecting to television

This connection enables you to view the video playback from this unit. You only need to choose **one** of the options below to make the video connection.

- For a standard TV, follow option 1.
- For a progressive scan TV, follow option 2.
- For a HDMI TV, follow option 3.

#### Before you start....

To prevent this unit from being scratched, always covers its front surface with a cloth before you place it flat on any surface.

#### Option 1: Using Composite Video jacks (CVBS)

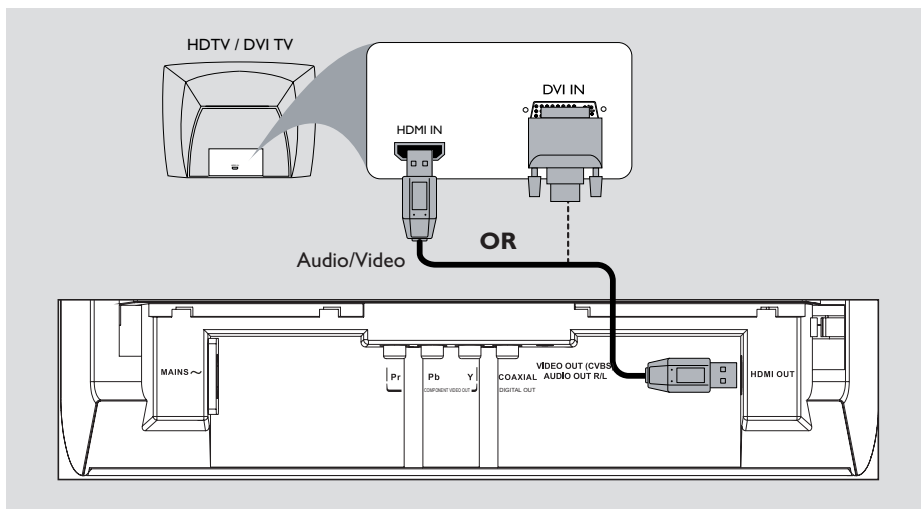
- Connect the audio/video cables (supplied) from the **VIDEO OUT (CVBS)** **AUDIO OUT R/L** jack on this unit to the video input jack (yellow) and Audio In jacks (red/white) on your TV.

#### Option 2: Using Component Video jacks (Y Pb Pr)

The progressive scan video quality is only available when using Y Pb Pr connection and a progressive scan TV is required. It provides superior picture quality when watching DVD movies.

- ① Connect the component video cables (red/blue/green - not supplied) from the **Y Pb Pr** jacks on this unit to the corresponding component video input jacks (or labeled as Y Pb/Cb Pr/Cr or YUV) on your TV.
- ② Connect the audio/video cables (supplied) from the **VIDEO OUT (CVBS)** **AUDIO OUT R/L** jack on this unit to the Audio In jacks (red/white) on your TV. Leave the yellow video plug disconnected.
- ③ Proceed to 'Getting Started - Setting up Progressive Scan feature' for detailed progressive feature setup.

## Basic Connections (continued)



### Option 3: Using HDMI or DVI TV jack

HDMI (High Definition Multimedia Interface) is a digital interface that allows pure digital audio/video transmission without the loss of image quality.

- 1 Connect a HDMI cable (not supplied) from the **HDMI OUT** jack on this unit to the HDMI IN jack on a HDMI-compatible device (e.g., HDMI TV, HDCP compliant DVI TV).
- 2 When you have completed the necessary connections, installation and set-up, see 'Setup Menu Option - Audio Setup Page and Video Setup Page' for detailed HDMI audio and video settings.

### Note:

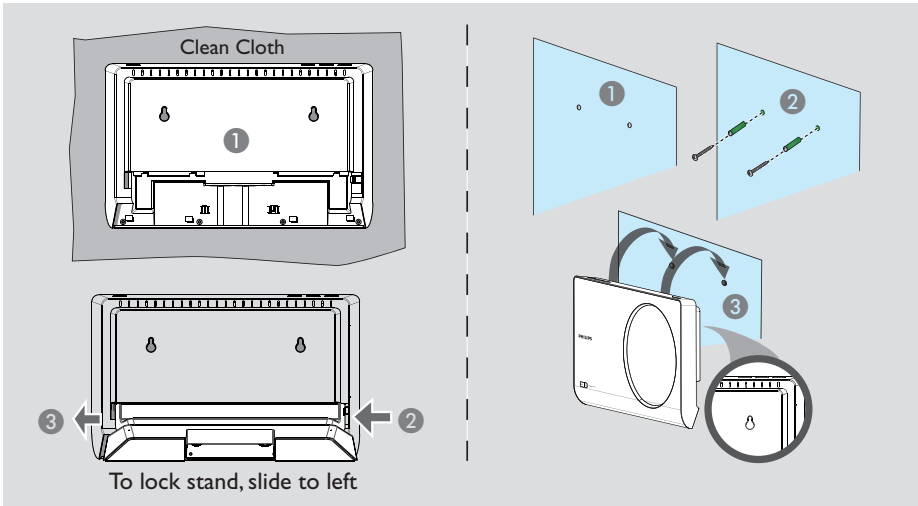
For HDCP compliant or DVI TV, you need a HDMI-DVI adaptor cable (not supplied) to connect the DVI IN jack from your TV to the HDMI OUT jack on this unit.

### Helpful Hint:

– The HDMI-DVI cable has only video output capability. An audio connection is required for audio output; see 'Optional Connections' for details.

## Basic Connections (continued)

English



### Step 2: Placing the unit

#### Before you start....

- Make sure that all cables have been connected to this unit.
- To prevent this unit from being scratched, always covers its front surface with a cloth before you place it flat on any surface.

#### Option 1: Placing on the table top

- 1 Place this unit on a flat surface with the front panel facing down.
- 2 Place the detachable stand on the rear panel.
- 3 Slide the stand to the left to lock it into position.

#### Option 2: Mounting on the wall

#### CAUTION!

**Risk of personal injury and damage to the unit. Allow only qualified persons to mount the unit.**

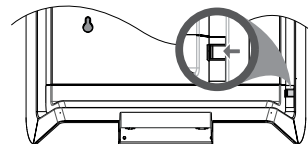
#### Note:

Mounting accessories not supplied.

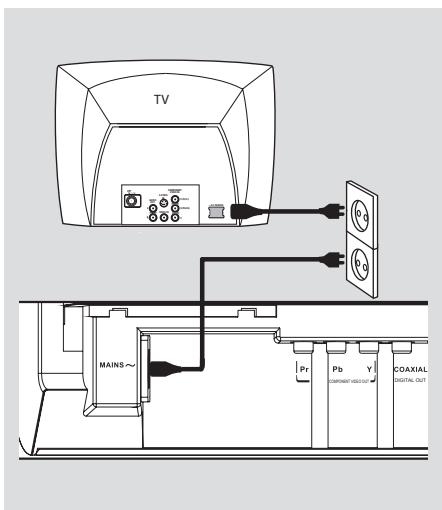
- 1 Mark the wall for screw hole positions where you intend to mount this unit, then drill the screw holes.
- 2 Insert the rubber wall plugs and screws into the holes.
- 3 Hook this unit firmly onto the screws and lock into position.

#### Helpful Hint:

- To remove the stand, press and hold the catch at the extreme right of the rear panel and push the panel towards the right.



## Basic Connections (continued)



### Step 3: Connecting the power cord

**After everything is connected properly, plug the AC power cord into the power outlet.**

Never make or change any connections with the power turned on.

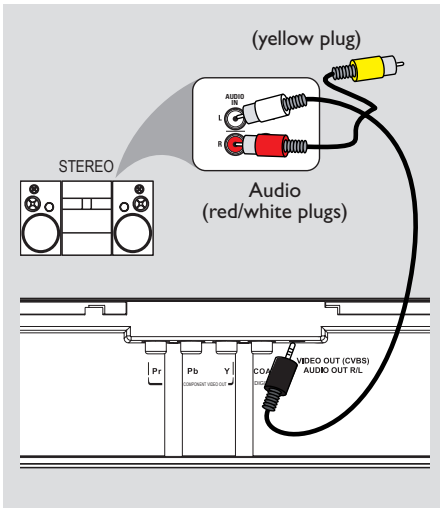
*Helpful Hint:*

– Refer to the type plate at the rear or bottom of the product for identification and supply ratings.



## Optional Connections

English



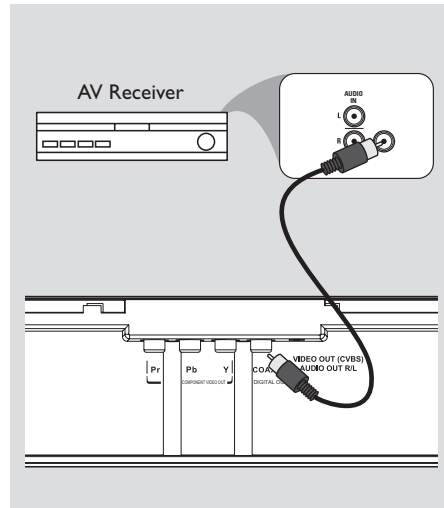
### Connecting to an Analog Stereo System

You can connect this unit to a two channel stereo system (e.g. mini system, analog receiver) in order to enjoy stereo sound output.

- 1 Connect the audio/video cables (supplied) from the **VIDEO OUT (CVBS) AUDIO OUT R/L** jack on this unit to the Audio In jacks (red/white) on your connecting devices.
- 2 For video connection, see 'Basic Connections - Step I: Connecting to television' for details.

#### Helpful Hint:

– See 'Setup Menu Options - Audio Setup Page' for optimum audio settings.



### Connecting to a Digital AV Amplifier/Receiver

You can connect this unit to an AV amplifier/receiver in order to enjoy quality sound.



- 1 Connect a coaxial cable (not supplied) from the **COAXIAL** jack on this unit to the digital coaxial input jack of the connected device.
- 2 For video connection, see 'Basic Connections - Step I: Connecting to television' for details.

#### Helpful Hint:

– You have to set the appropriate Digital Audio Output setting. Otherwise, no sound or interference may occur. See 'Setup Menu Options - Audio Setup Page - Digital audio setup' for details.

## Getting Started

### Finding the correct viewing channel

- ① Press **STANDBY-ON**  to turn on this unit.
- ② Turn on the TV and switch it to the correct video-in channel. You should see the blue DVD background screen.
  - You may go to the lowest channel on your TV, then press the Channel Down button on your TV's remote control until you see the Video In channel.
  - You may press  button repeatedly on your TV's remote control.
  - Usually this channel is between the lowest and highest channels and may be called FRONT, A/V IN, VIDEO, etc..
  - Refer to your TV's user manual on how to select the correct input on your TV.
- ③ If you are using external device, (such as audio system or receiver), turn it on and select the appropriate input source for this unit output. Refer to the device user's manual for detail.

### Setting language preferences

The language options are different depending on your country or region. It may not correspond to the illustrations shown on the user manual.

#### On-screen display (OSD) language

You can change the on-screen display menu language for this unit. The menu language will remain once you have set it.

- ① Press **SETUP** on the remote control.  
→ { **General Setup Page** } appears.
- ② Use **▲▼** keys to select { **OSD Language** } in the menu and press **►**.

General Setup Page	
Disc Lock	
<b>OSD Language</b>	<b>ENGLISH</b>
Sleep	中文 (繁體)
Lip Sync	ໂພງ
Volume	한국어
DivX(R) VOD Code	Beharsa Melayu

- ③ Select a language and press **OK** to confirm.

## Getting Started (continued)

### Audio, Subtitle and Menu language for DVD playback

You can select your preferred language settings for DVD playback. If the selected language is recorded on the DVD disc, this unit automatically plays the disc in that language. Otherwise, the disc's default language will be used instead.

- 1 Press **■** twice to stop playback (if any), then press **SETUP**.
- 2 Press **►** repeatedly to select { **Preference Page** }.
- 3 Use **▲▼** keys to select one of the options below and press **►**.

Preference Page	
Audio	English
Subtitle	Chinese
Disc Menu	French
Parental	Spanish
PBC	Portugues
Mp3 / Jpeg Nav	Polish
Password	Italian

#### { **Audio** }

Select this to change disc sound track language.

#### { **Subtitle** }

Select this to change the subtitle language.

#### { **Disc Menu** }

Select this to change the language of the disc menu.

- 4 Use **▲▼** keys to select a language and press **OK** to confirm.

**If the language you want is not in the list, then select { Others },** then use the **numeric keypad 0-9** on the remote to enter the 4-digit language code 'XXXX' (see page 5 'Language Code') and press **OK**.

- 5 Repeat steps 3 - 4 for other language settings.

## Getting Started (continued)

### Setting up Progressive Scan feature

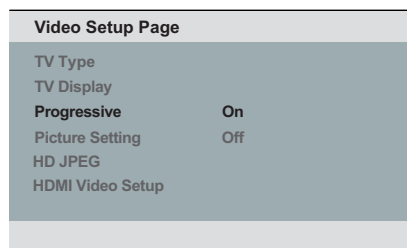
(for Progressive Scan TV only)

The progressive scan displays twice the number of frames per second than interlaced scanning (ordinary normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution and quality.

#### Before you start...

– Ensure that you have connected this unit to a progressive scan TV using the Y Pb Pr connection (see 'Option 2: Using Component Video jacks (Y Pb Pr)').

- ① Turn on the TV to the correct viewing channel for this unit.  
→ Make sure that the TV's progressive scan mode is turned off (or set to interlaced mode). Refer to your TV's user manual.
- ② Turn on this unit and press **SETUP** on the remote control.
- ③ Press **▶** repeatedly to select { **Video Setup Page** }.



- ④ Use **▲▼** keys to select { **Progressive** } > { **On** } in the menu and press **OK** to confirm.

- ⑤ Read the notification message on the TV and confirm your action by selecting the { **OK** } in the menu and press **OK**.

**There will be no picture on your TV at this state until you have turned on the progressive scan mode on your TV.**

- ⑥ Turn on your TV progressive scan mode, refer to your TV's user manual.  
→ A message appears on the TV.
- ⑦ Confirm your action by selecting the { **OK** } in the menu and press **OK**.  
→ The setup is now completed and you can start to enjoy the high quality picture.

#### If no picture is displayed

- ① Press **OPEN/CLOSE ▲** on this unit.
- ② Press **numeric keypad '1'** on the remote control.

#### Helpful Hints:

- If a blank/distorted screen appears, wait for 15 seconds for the auto recovery.
- There are some progressive scan TVs that are not fully compatible with this unit, resulting in an unnatural picture when playing back a DVD VIDEO disc in the progressive scan mode. In such a case, turn off the progressive scan feature on this unit and your TV.

## Disc Operations

### Playable discs















#### This unit plays:

- Digital Versatile Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Finalized DVD Recordable (DVD±R), DVD Rewritable (DVD±RW)
- Audio Compact Discs (CDs)
- MP3/ WMA discs
  - The file extension has to be '.mp3', '.wma'
  - JPEG/ISO format
  - Maximum 14 characters display.
  - Supported bit-rate;
    - 32 – 320 kbps (MP3)
    - 32 – 192 kbps (WMA)
- Picture files (Kodak, JPEG) on CD-R(W)
  - The file extension has to be '.JPG' and not '.JPEG.'
  - JPEG/ISO format
  - It can only display DCF-standard still pictures or JPEG pictures such as TIFF.
- DivX files on CD-R(W)/DVD±R(W):
  - The file extension has to be '.AVI,' '.MPG,' or '.MP4.'
  - DivX® Certified/ DivX® Ultra Certified
  - Q-pel accurate motion compensation
  - Global Motion Compensation (GMC) playback.

### Region codes for DVD discs

DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc is for the same region as your player. The region code for this unit is indicated at the rear panel.


Region	Discs that can be played
U.S.A. and Canada regions	 
U.K and Europe regions	 
Asia Pacific, Taiwan, Korea	 
Australia, New Zealand, Latin America	 
Russia and India regions	 
China, Calcos Islands, Walls and Futuna Islands	 

#### Helpful Hints:





- Maximum 100 sessions for CD and 10 multi border for DVD are supported.
- For DVD-R and DVD-RW multi border, only finalized disc are supported.
- For DVD+R and DVD+RW multi border both finalized and unfinalized disc are NOT supported.

## Disc Operations (continued)

### Notes:

- If the inhibit icon  appears on the TV when a button is pressed, it means the function is not available on the current disc or at the current time.
- Never put any objects other than discs on the disc compartment. Doing so may cause the disc player to malfunction.

### Playing a disc



- 1 Press **STANDBY-ON**  to turn on this unit.
- 2 Turn on the TV to the correct viewing channel for this unit.
- 3 Press **OPEN/CLOSE**  to open the disc compartment.
- You can also hold down the **STOP**  on the remote control to open and close the disc compartment.
- 4 Insert a disc into the disc compartment and press **OPEN/CLOSE** .
  - Make sure the disc label is facing towards you.
- 5 Playback starts automatically.
  - See the following pages for more playback options and features.

### Helpful Hints:




- Never close the disc compartment manually.
- If you are having trouble playing a certain disc, remove the disc and try a different one. Improperly formatted discs cannot be played on this unit.
- Some discs cannot be played on this player due to the configuration and characteristics of the disc, or due to the condition of recording and authoring software that was used.

### Basic playback controls






#### Pausing playback

- During playback, press **PLAY/PAUSE** .
  - To resume playback, press **PLAY/PAUSE** .






#### Selecting another track/chapter/title

- Press **PREV**  / **NEXT**  or use the numeric keypad 0-9 to enter a track/chapter/title number.
  - If the repeat track mode is active, press **PREV**  again to replay the same track/chapter/title. (not applicable for CD)

#### Searching backward/forward

- Press and hold **PREV**  / **NEXT** .
  - While searching, press  /  repeatedly to select different search speed (2X, 4X, 8X, 16X, 32X).
  - To resume normal playback, press **PLAY/PAUSE** .

#### Playing in slow motion mode


- During playback, press  /  to start slow motion play.
  - Sound will be muted. Press  /  repeatedly to select different play speed (1/2, 1/4, 1/8, 1/16).
  - To resume normal playback, press **PLAY/PAUSE** .

#### Stopping playback

- Press **STOP** .

## Disc Operations (continued)

### Helpful Hints:

- This unit has resume playback ability (for certain type of disc). In this case, if you want to playback from the beginning, press **PREV**  while the message 'Play from start, press [ PREV ]' appears on the TV.
- This is a power-saving feature, this unit automatically switches to low power standby mode if you do not press any buttons within 15 minutes after a disc has stopped playing or in pause mode.
- Screen saver starts automatically if the disc playback is stopped for about 5 minutes.

### Selecting various repeat/shuffle functions

The repeat play options and shuffle play mode varies depending on the disc type.

- While playing a disc, press **REPEAT** on the remote control repeatedly to choose a repeat play mode.

#### DVD


- Chapter (repeat current chapter)
- Title (repeat current title)
- All (repeat entire disc)
- Shuffle (random playback)
- Off (exit repeat mode)

#### VCD/SVCD/CD

- Track (repeat current track)
- All (repeat entire disc)
- Shuffle (random playback) (not applicable for CD)
- Off (exit repeat mode)

#### MP3/JPEG/DivX/WMA

- Single (repeat current file)
- Repeat One (repeat current file)
- Repeat Folder/All (repeat all files in the current folder)
- Folder (repeat all files in a folder)

- To cancel repeat play mode, press **REPEAT** repeatedly until 'Off' appears or press **STOP** .

### Helpful Hint:

- Repeat playback is not possible on VCDs when the PBC mode is turned on.

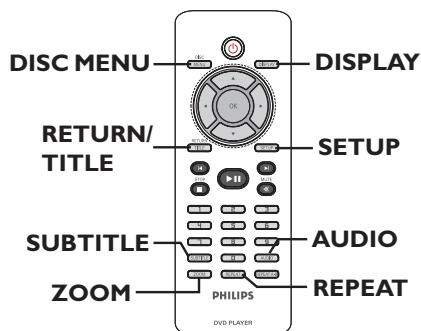
## Disc Operations (continued)

### Repeating a specific segment (A-B)

You can repeat the playback of a specific segment within a title/chapter/track. To do this, you must mark the start and end of the segment you want.

- 1 During playback, press **REPEAT A-B** at the point where you want the repeat playback to begin.
- 2 Press **REPEAT A-B** again at the point where you want to end the repeat playback.  
→ Playback skips to the start of the marked segment. The segment is repeated until the repeat mode is cancelled.
- 3 To cancel repeat playback, press **REPEAT A-B** again.

### Other playback features for video discs



#### Note:

The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

### Using the Disc Menu

Depending on the disc, a menu may appear on the TV once you load in the disc.

#### To select a playback feature or item

- Use **▲▼◀▶** keys or **numeric keypad 0-9** on the remote control, then press **OK** to start playback.

#### To access or remove the menu

- Press **DISC MENU** on the remote control.



## Disc Operations (continued)

### Zooming in/out

This option allows you to zoom in or out the picture on the TV and to pan through the picture.

- 1 During playback, press **ZOOM** repeatedly to select a different zoom factor.  
→ Playback continues.
- 2 Use **▲▼◀▶** keys to pan through the zoomed image.
- 3 Press **ZOOM** repeatedly to return to the original size.

### Changing sound track language

This operation works only on DVDs with multiple sound track languages, or SVCDs with multiple audio channels.

- Press **AUDIO** repeatedly to select the available audio languages.

#### For VCD – changing the audio channel

- Press **AUDIO** repeatedly to select the available audio channels provided by the disc (Mono Left, Mono Right, MIX-Mono, Stereo).

### Changing subtitle language

This operation works only on DVDs with multiple subtitle languages. You can change the language you want while playing a DVD.

- Press **SUBTITLE** repeatedly to select different subtitle languages.

### Playback Control (VCD/SVCD)

Playback Control (PBC) playback allows you to play Video CDs interactively, following the menu on the display. This function can also be accessed via the 'Preference Page' menu.

#### For VCDs with PBC feature (version 2.0 only) and SVCDs

- Press **DISC MENU** to turn on or off the PBC mode.  
→ If the PBC mode is turned on, the disc menu (if available) appears on the TV.  
→ If the PBC mode is turned off, it skips the disc menu and playback from the first track.
- If the PBC mode is turned on, pressing **RETURN/TITLE** during playback will return to the disc title menu or main menu.

## Disc Operations (continued)

### Using Display menu options

This unit can display the disc playback information (for example, title or chapter number, elapsed playing time, audio/subtitle language), a number of operations can be done without interrupting disc playback.

- 1 During playback, press **DISPLAY**.  
→ The available disc information appears on the TV.

(DVD)

MENU	▶		
Title	01/01		
Chapter	01/01		
Audio	5.1CH	Others	
Subtitle	Off		▼
Bitrate 61 ■■■■■■ TT Elapsed 0:48:59			

(VCD)

MENU	▶		
Track	01/21		
Disc Time	1:12:32		
Track Time	0:02:29		
Repeat AB	Off		▼
Bitrate 61 ■■■■■■ Total Elapsed 0:48:59			

- 2 Use **▲▼** keys to view the information and press **OK** to access.
- 3 Use the **numeric keypad 0-9** to input the number/time or use **▲▼** keys to make the selection.
- 4 Press **OK** to confirm.  
→ Playback changes according to the chosen time or to the selected title/chapter/track.

### Switching camera angles

This option is only available on DVDs that contain sequences recorded from different camera angles. This allows you to view the picture from different angles.

- 1 Move to { Angle } in the display menu and press **▶**.
- 2 Use the **numeric keypad 0-9** to input a valid number.  
→ Playback changes to the selected angle.

### Searching by time

This option allows you to skip to a specific point in the current disc.

- 1 Move to { TT Time / CH Time / Disc Time / Track Time } in the display menu and press **▶**.
- 2 Use the **numeric keypad 0-9** to enter the time where playback should start (eg. 0:34:27).  
→ Playback skips to the selected time.

### Viewing playing time

It shows the remaining/elapsed time display of the current disc.

- 1 Move to { Time Disp } in the display menu and press **▶**.  
→ The information and display are different depending on the disc type.

#### For DVD

Display	Descriptions
TT/CH Elapsed	Title or Chapter elapsed playing time.
TT/CH Remain	Title or Chapter remaining playing time.

## Disc Operations (continued)

### For VCD/SVCD

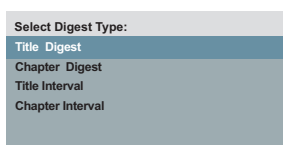
Display	Descriptions
Total/Single Elapsed	Disc or Track elapsed playing time.
Total/Single Remain	Disc or Track remaining playing time.

### Preview function (VCD/SVCD/DVD)

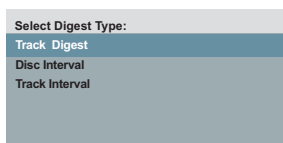
This function allows you to preview the contents of a VCD/SVCD disc.

- 1 Move to { Preview } in the display menu and press **▶**.  
→ The preview menu appears.

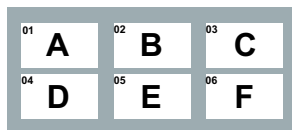
(DVD)



(VCD)



- 2 Use **▲▼** keys to select one of the preview type and press **OK**.  
→ Thumbnail pictures of each segment appear on the TV.



- To go to the previous or next page, press **◀ / ▶**.
- 3 Use **▲▼◀▶** keys to select a thumbnail picture and press **OK** to start playback from there.

### Special Audio CD feature

It is a time search option for audio CD playback. Playback skips to the time you input, within the disc or track.

- 1 During playback, press **DISPLAY** repeatedly to toggle between different time input options.

Display	Descriptions
Disc Go To	Time search within the disc.
Track Go To	Time search within a track.
Select Track	Select a track number.

- 2 Use the **numeric keypad 0-9** to enter the time where playback should start (minutes:seconds).  
→ Playback skips to the selected time.

## Disc Operations (continued)

### Playing a DivX disc

This unit supports the playback of DivX movies which you can copy from your computer onto a recordable disc. See 'Setup Menu Options - { General Setup Page - DivX(R) VOD code }' for details.

- 1 Insert a DivX disc.
- 2 Use ▲▼ keys to navigate to the title you want to play.
- 3 Press **OK** to start playback.

During playback,

- If the DivX disc has multilingual subtitles, you can press **SUBTITLE** on the remote control to change the subtitle language.
- If the DivX title has different audio tracks, you can press **AUDIO** on the remote control to change the audio stream.

#### Helpful Hints:

- Subtitle files with the following file name extensions (.srt, .smi, .sub, .ssa, .txt) are supported but do not appear on the file navigation menu.
- The subtitle file name (.sub) has to be saved under the same file name as the movie (.avi) in the same folder.

### Advance features of the DivX® Ultra

Features	Descriptions
XSUB™ subtitles	– allow multiple language subtitles selection for movie.
Interactive video menus	– provide easy access and control. – quick navigation to various scenes/features and select audio/subtitle options.
Alternate audio tracks	– enable audio tracks in multiple language versions. – separate audio tracks for specific speaker configurations.
Chapter points	– provide flexibility, – allow jump straight to the scene you want to watch from any point in video.

## Disc Operations (continued)

### Playing a JPEG image file (slide show)

#### Before you start ...

Turn on your TV to the correct Video In channel. See 'Finding the correct viewing channel' for details.

- Insert a JPEG photo CD (Kodak Picture CD, JPEG).
  - For a Kodak disc, the slide show begins automatically.
  - For a JPEG disc, the picture menu appears on the TV. Press **PLAY/PAUSE** **▶||** to start the slide-show playback.

#### Helpful Hint:

– It may require longer time for this unit to display the disc content on the TV due to the large number of songs/pictures compiled into one disc.

#### Supported file format:

- The file extension has to be '\*.JPG' and not '\*.JPEG'.
- This unit can only display digital camera pictures according to the JPEG-EXIF format, typically used by almost all digital cameras. It cannot display Motion JPEG, progressive JPEG and other JPEG formats, or pictures in formats other than JPEG, or sound clips associated with pictures.

#### Preview function

- ① During playback, press **DISPLAY**.  
→ 12 thumbnail pictures will be displayed on the TV.



- ② Press **PREV** **◀** / **NEXT** **▶** to display pictures on the previous/next page.
- ③ Use **▲▼◀▶** keys to select one of the pictures and press **OK** to start playback.
- ④ Press **DISC MENU** to return to Picture CD menu.

#### Zoom picture

- ① During playback, press **ZOOM** repeatedly to select a different zoom factor.
- ② Use **▲▼◀▶** keys to pan through the zoomed image.

#### Rotating/flipping the picture

- During playback, use **▲▼◀▶** keys to rotate/flip the picture on the TV.
  - **▲**: flip the picture vertically.
  - **▼**: flip the picture horizontally.
  - **◀**: rotate the picture counter-clockwise.
  - **▶**: rotate the picture clockwise.

## Disc Operations (continued)

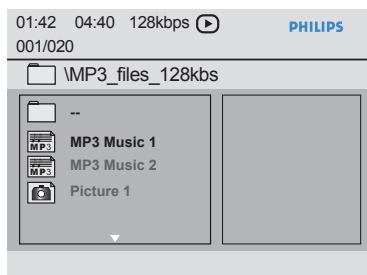
### Playing a MP3/WMA disc

This unit can playback most of the MP3 and WMA files recorded on a recordable disc or commercial CD.

#### Before you start ...

Turn on your TV to the correct Video In channel. See 'Finding the correct viewing channel' for details.

- 1 Insert a MP3/WMA disc.
  - The disc reading time may exceed 30 seconds due to the complexity of the directory/file configuration.
  - The disc menu appears on the TV.



- 2 If the disc main menu contains various folders, use ▲▼ keys to select a desired folder and press **OK** to open the folder.
- 3 Use ▲▼ keys to select a track/file and press **OK** to start playback.
  - Playback starts from the selected file and continues through to the end of the folder.

During playback:

- Use **PREV** ◀ / **NEXT** ▶ to playback another track/file in the current folder.
- Press ◀ / ▶ repeatedly to fast forward/backward search on the music track.
- To select another folder from current disc, use ▲▼◀▶ keys to navigate back to the root menu.
- Press **REPEAT** repeatedly to access various play modes.
- 4 To stop playback, press **STOP** ■.

#### Helpful Hints:

- To skip the folders menu when you load a MP3/JPEG disc, set the MP3/JPEG NAV setting in the Preference Setup Page to { Without Menu }.
- Only the first session of a multi-session CD will be played back.
- It is normal to experience an occasional 'skip' while listening to your MP3/WMA disc due to poor clarity of digital contents during internet downloading.
- If any special characters are present in the MP3/WMA track name (ID3) or album name, it might not be displayed correctly on the screen because this unit does not support the characters.

### Playing MP3/WMA music and JPEG pictures simultaneously

You can create a musical slide show if the disc contains both the MP3/WMA music and JPEG picture files.

- 1 Insert a MP3/WMA disc that contains music and picture folders.
- 2 Select a track in the menu and press **PLAY/PAUSE ►II** to start playback.

During music playback,

- Use **▲▼◀▶** keys to select a picture folder from the disc menu and press **OK**.
  - The picture files will be played back through to the end of the folder.
  - The music continues to playback till it reaches the end of the selected album or playlist.
- Press and hold **PREV ◀◀ / NEXT ▶▶** for fast forward or backward search.
- 3 To stop simultaneous playback, press **STOP ■** twice.

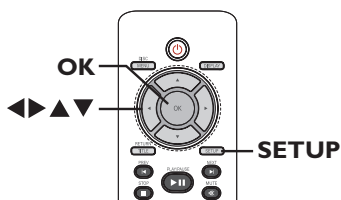
#### *Helpful Hints:*

- Some files on Kodak or JPEG disc may be distorted during playback due to the configuration and characteristics of the disc.
- During simultaneous playback, fast forward / backward or slow forward is not available.

## Setup Menu Options

### Accessing the setup menu

This unit setup is carried out via the TV, enabling you to customize it to suit your particular requirements.



- 1 Press **SETUP** on the remote control.  
→ The setup menu appears.
- 2 Use ◀▶ keys to select one of the setup menu options and press **OK**.
  - If you are not able to access the { Preference Page }, press **SETUP** to exit the menu. Then, press **STOP ■** twice before you press the **SETUP** again.
- 3 Use ▲▼ keys to select a setup option and press ▶ to access.
- 4 Select the setting you wish to change and press **OK** to confirm and go back to the previously selected item.
  - Instructions and explanations of the options are provided in the following pages.
  - If the option in the menu is grayed out, that means the setting is not available or cannot be changed in the current state.
- 5 To exit, press **SETUP**.

#### General Setup Page

Disc Lock  
OSD Language  
Sleep  
Lip Sync  
Volume  
DivX(R) VOD Code

See 'General Setup Page' on this chapter.

#### Audio Setup Page

Analog Output  
Digital Audio Setup  
HDMI Audio Setup  
Sound Mode  
CD Upsampling  
Night Mode

See 'Audio Setup Page' on this chapter.

#### Video Setup Page

TV Type  
TV Display  
Progressive  
Picture Setting  
HD JPEG  
HDMI Video Setup

See 'Video Setup Page' on this chapter.

#### Preference Page

Audio  
Subtitle  
Disc Menu  
Parental  
PBC  
Mp3 / Jpeg Nav  
Password

See 'Preference Page' on this chapter.



## Setup Menu Options (continued)

### **General Setup Page** (underlined options are the factory default settings)

#### **Disc Lock**

Not all discs are rated or coded by the disc maker. You can prevent play of specific discs with the disc lock function. Up to 20 discs can be locked.

- { **Lock** }
  - To block the playback of the current disc. Subsequent access to a locked disc requires a six-digit password. The default password is '136900' (see { Preference Setup Page - Password }).
- { **Unlock** }
  - All discs can be played.

#### **OSD Language**

Select the menu language for this unit's on-screen display.

#### **Sleep**

The sleep timer enables this unit to switch to standby mode automatically after the selected a preset time.

- { **15/30/45/60 mins** } – Select the preset minutes for switching this unit to standby mode automatically.
- { **Off** } – Turn off the sleep mode.

**Note:** This feature is only available during playback.

#### **Lip Sync**

This feature allows you to adjust the audio delay times if the video playback is slower than the audio output streams, hence resulting in lip-sync.

Access the lip sync setup menu. Use ◀▶ to set the delay times (0 ~ 200 ms) for the audio output and press **OK** to exit.

#### **Volume**

This feature allows you to adjust the volume level.

Access the volume setup menu. Use ◀▶ to set the volume level between 0 ~ 20

#### **DivX(R) VOD Code**

Philips provides you with the DivX® VOD (Video On Demand) registration code that allows you to rent or purchase videos from DivX® VOD service at <http://vod.divx.com>. All the downloaded videos from DivX® VOD can only be played back on this unit.

Press ▶ to see the registration code and press **OK** to exit.

## Setup Menu Options (continued)

### Audio Setup Page (underlined options are the factory default settings)

#### Analog output

This setting is only required if you have connected the audio output of this unit to a stereo device or TV using the analog output jack.

- { **LT/RT** }      – The connected device has a built-in Dolby Pro Logic decoder. It can deliver the surround sound through the two speakers.
- { **Stereo** }      – The connected device can only output stereo audio through two speakers.
- { **V SURR** }      – For virtual surround sound effects.

#### Digital Audio Setup

This setting is only required if you have connected the audio output of this unit to an amplifier/receiver using the digital output jack.

- { **Digital Output** }      – { **Off** }  
Disable digital audio output. Select this if you are using the analog audio jacks to connect this unit to a TV or Stereo system.
- { **ALL** }  
The connected device supports multi-channel audio formats. The digital audio format will be output as on disc.
- { **PCM Only** }  
The connected device does not support multi-channel formats. All audio signals are downmixed to PCM format (2-channel).
- { **LPCM Output** }      – { **48 kHz** }  
Select this to play disc recorded at sampling rate of 48kHz.
- { **96 kHz** }  
Enable 96 kHz output on digital audio if the amplifier/receiver is compatible with high sampling rate audio (88.2 / 96 kHz). However, if the sound output is distorted or there is no sound, change the setting to '48 kHz'.

## Setup Menu Options (continued)

### Audio Setup Page (underlined options are the factory default settings)

#### HDMI Audio Setup

This setting is only required if you are using the HDMI OUT jack to connect your TV or other display device.

- { On } – Enable audio output through HDMI connection.
- { Off } – Disable HDMI audio output. In this case, an alternative audio connection is required from this unit to your TV.

#### Sound Mode

Select the type of preset digital sound effect that can match the disc's content or optimize the sound of the musical style you are playing.

- { 3D } – It provides a virtual surround sound experience through the left and right audio channels. Available options are: { Off }, { Living Room }, { Hall }, { Arena } and { Church }.
- { **Movie Mode** } – Movie sound effects. Available options are: { Off }, { Sci-Fic }, { Action }, { Drama } and { Concert } effect.
- { **Music Mode** } – Musical sound effects. Available options are: { Off }, { Digital }, { Rock }, { Classic } and { Jazz }.

#### CD Upsampling

This feature enables you to convert the music CD to a higher sampling rate using sophisticated digital signal processing for better sound quality. If you have activated the CD upsampling, this unit automatically switches to stereo mode.

- { Off } – Disable CD-upsampling function.
- { **88.2 kHz (X2)** } – Convert the sampling rate of the CDs to twice as high as the original rate.
- { **176.4 kHz (X4)** } – Convert the sampling rate of the CDs to four times as high as the original rate.

**Note:** CD upsampling is only possible when playback the music CD in stereo mode.

## Setup Menu Options (continued)

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### Audio Setup Page (underlined options are the factory default settings)

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#### Night Mode

This mode optimizes playback of sound at low volume. High volume outputs will be softened and low volume outputs will be enhanced to an audible level. This feature is only applicable for DVD video discs with Dolby Digital mode.

- { **On** }      – Turn on night mode.
- { **Off** }     – Turn off night mode. Select this to enjoy the surround sound with its full dynamic range.

## Setup Menu Options (continued)

### Video Setup Page (underlined options are the factory default settings)




#### TV Type

Select the color system that matches the connected TV. It enables playback of a different type of disc (PAL or NTSC disc) on this unit.

- { PAL } – For PAL-system TV.
- { Multi } – For TV that is compatible with both PAL and NTSC.
- { NTSC } – For NTSC-system TV.

#### TV Display

The picture shape can be adjusted to fit your TV.

- { 4:3 Pan Scan } – For a full-height picture with the sides trimmed. 
- { 4:3 Letter Box } – For a 'wide-screen' display with black bars on the top and bottom. 
- { 16:9 } – For wide-screen TV (frame ratio 16:9). 

#### Progressive

Before enabling the progressive scan feature, you must ensure that your TV can accept progressive signals (a progressive scan TV is required) and that you have connected this unit to your TV using the Y Pb Pr. See 'Getting Started - Setting up the progressive scan feature' for details.

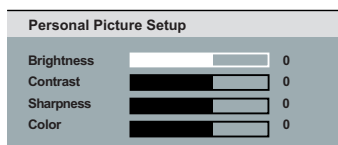
- { On } – Turn on progressive scan mode. Read the instructions on the TV and confirm your action by pressing **OK** on the remote control.
- { Off } – Turn off progressive scan mode.

**Note:** The Progressive Scan setting will not be available when the HDMI video signal is detected.

#### Picture Setting

This unit provides three predefined sets of picture color settings and one personal setting which you can define yourself.

- { Standard } – Original color setting.
- { Vivid } – Vibrant color setting.
- { Cool } – Soft color setting.
- { Personal } – Select this to personalize the picture color setting. Use the ◀▶ keys to adjust to the setting that best suits your personal preference and press **OK** to confirm. For an average setting, select { 0 }.



## Setup Menu Options (continued)

### Video Setup Page (underlined options are the factory default settings)

#### HD JPEG

HD JPEG allows you to enjoy untouched and uncompressed pictures at its original resolution. This feature is only applicable if you have connected this unit to a HDMI-compatible TV/device.

- { On } – Display high definition picture.
- { Off } – Display standard picture.

**Note:** This feature is only available for JPEG picture disc.

#### HDMI Video Setup

It provides the picture settings to enhance the appearance and picture quality for disc playback. This feature is only applicable if you have connected this unit to a HDMI-compatible TV/device.

- { **Wide Screen Format** } – Select a suitable screen display.

**Note:** This feature is only available if you have selected { **16:9** } in { **TV Display** } setup.

#### { **Super Wide** }

Display the 4:3 picture disc on the wide-screen TV with non-linear stretching (center position of the screen is stretched less than the side).

#### { **4:3 Pillar Box** }

Display the 4:3 picture disc on the wide-screen TV without stretching. Black bars will be shown on the both sides of the TV.

#### { **Off** }

No aspect ratio adjustment is made when this option is selected.

**Note:** { **Super Wider** } and { **4:3 Pillar Box** } can be applicable only when this unit's resolution is set to 720P or 1080i.

## Setup Menu Options (continued)

### Video Setup Page (underlined options are the factory default settings)

#### HDMI Video Setup

Continued...

##### { Resolution }

- Select a suitable video resolution depending on the capability of the connected TV/device to further enhance the HDMI/DVI video output.

##### { 480p }

Progressive output in 480 lines for NTSC TV.

##### { 576p }

Progressive output in 576 lines for PAL TV.

##### { 720p } - (if a HDMI TV is connected)

Progressive output upscale to 720 lines.

##### { 1080i } - (if a HDMI TV is connected)

Interlaced output upscale to 1080 lines.

##### { Auto }

The best supported resolution will automatically be selected.

#### Notes:

- If a notification message appears, confirm your setting by selecting { **OK** } in the menu and press **OK** to proceed.
- If the selected resolution is not supported by your HDMI/DVI TV, a black screen will appear. In this case, wait for 5 seconds for auto recovery or use the composite (yellow) video cable to connect this unit and your TV. Turn on your TV to the correct input channel for the composite video and adjust the resolution setting to 480p/576p.

## Setup Menu Options (continued)

### Preference Setup Page (underlined options are the factory default settings)

#### Audio

Select the preferred audio language for DVDs with multiple sound tracks.

#### Subtitle

Select the preferred subtitle language for DVD playback.

#### Disc Menu

Select the preferred disc menu language for DVD playback.

**Note:** If the selected audio/subtitle/disc menu language is not available on the DVD, the disc's default language will be used instead.

#### Parental

This is to prohibit viewing of discs that had exceeded the limits you set. It works only on the DVDs with parental level assigned to the complete disc or to certain scenes on the disc.

- 1) Use **▲▼** keys to select a rating level from 1 to 8 and press **OK**.
- 2) Use the **numeric keypad 0-9** on the remote control to enter your six-digit password and press **OK**.

#### Notes:

- The ratings are country-dependent ('1' is considered material that is least offensive and '8' is most offensive). To disable parental controls and allow all discs to play, select '8'.
- Some DVDs are not encoded with a rating though the movie rating may be printed on the disc cover. The rating level feature does not prohibit playback of such discs. VCD, SVCD and CD have no level indication, so parental control has no effect on these type of discs.
- DVDs that are rated higher than the level you selected will not be played unless you enter the same six-digit password.

#### PBC

Play Back Control feature is applicable for VCD/SVCD only. It allows you to play Video CDs (2.0) interactively, following the menu on the display.

- { **On** } – The index menu (if available) appears on the TV when you load a VCD/SVCD.
- { **Off** } – The VCD/SVCD skips the index menu and playback directly from the beginning.



## Setup Menu Options (continued)

### Preference Setup Page (underlined options are the factory default settings)

#### Mp3/Jpeg Nav

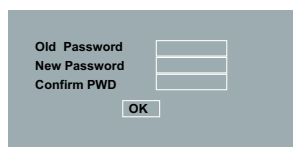
MP3/JPEG Navigator can only be set if the disc is recorded with a menu. It allows you to select different display menus for easy navigation.

- { **Without Menu** } – Display all the files contained in the MP3/Picture disc.
- { **With Menu** } – Display the folder menu of the MP3/Picture disc.

#### Password

The password is used for the Disc Lock and Parental. The default password is '136900'. To change the password:

- 1) Press **OK** to access the change password menu.



- 2) Use the **numeric keypad 0-9** on the remote control to enter your existing six-digit password at { Old Password }.

**Note:** When doing this for the first time or if you forget your existing password, enter '136900'.

- 3) Enter the new six-digit password at { New Password }.
- 4) Enter the new six-digit password again at { Confirm PWD }.
- 5) Press **OK** to confirm and exit the menu.

#### DivX Subtitle

Select the font type that supports the recorded DivX subtitle.

- { **Standard** } – Display a standard list of Roman subtitle fonts provided by this unit.

#### Default


This feature enables you to reset all the setup menu options and your personal settings to the factory defaults, except your password for the Disc Lock and Parental.

Press **OK** to confirm the default reset.

## Other Features


### Installing the latest software

Periodically Philips issue software upgrades to enhance the user experience.

- 1 Get the software version of this unit by pressing **OPEN/CLOSE**  to open the disc compartment
- 2 Press **numeric keypad '55'** on the remote control.  
→ Write down the file name of your current software.
- 3 Visit the Philips website 'www.philips.com/support' to check the availability of the latest software upgrade and download the software to a CD-R.

**Note:**

**Never unplug or turn off this unit during upgrade.**

- 4 Insert the CD-R to the disc compartment.  
→ A message appears.
- 5 Press **PLAY/PAUSE**  to install the latest software.  
→ Once complete, this unit will power off and on again automatically.

# Troubleshooting

## WARNING

Under no circumstances should you try to repair this unit yourself, as this invalidate the warranty. Do not open this unit as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking this unit for repair. If you are unable to remedy a problem by following these hints, consult your dealer or Philips for help.

Problem (General)	Solution
<b>No power.</b>	<ul style="list-style-type: none"><li>– Press STANDBY-ON on the unit to turn on the power.</li><li>– Ensure that the AC outlet have power.</li><li>– Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate again as usual.</li></ul>
<b>No picture.</b>	<ul style="list-style-type: none"><li>– Refer to your TVs manual for correct Video In channel selection. Change the TV channel until you see the DVD screen.</li><li>– If this happens when you turn on the progressive scan feature or change the HDMI video setting, wait for 15 seconds for the auto recovery or switch back to the default mode as below:<ul style="list-style-type: none"><li>1) Press OPEN/CLOSE ▲ on this unit.</li><li>2) Press numeric keypad '1' on the remote control.</li></ul></li></ul>
<b>Completely distorted picture or black/white picture.</b>	<ul style="list-style-type: none"><li>– Check the video connection.</li><li>– Sometimes a small amount of picture distortion may appear. This is not a malfunction.</li><li>– The disc is dirty. Clean the disc.</li></ul>
<b>No sound or distorted sound.</b>	<ul style="list-style-type: none"><li>– Check the audio connections to the connected audio device.</li><li>– Make sure that the connected audio device is turned on to the correct input source.</li><li>– Set the digital output setting correctly, based on the device you connected to this unit.</li></ul>
<b>The remote control does not function properly.</b>	<ul style="list-style-type: none"><li>– Aim the remote control directly at the sensor on the front of this unit (not towards the TV).</li><li>– Remove any obstacles between this unit and the remote control.</li><li>– Batteries are weak, replace the batteries.</li><li>– Check the polarities of the batteries are as indicated on the remote control (± signs).</li></ul>

## Troubleshooting (continued)

Problem (Playback)	Solution
<b>The unit does not start playback.</b>	<ul style="list-style-type: none"> <li>– Insert a readable disc with the playback side facing inwards. The DVD+R/CD-R must be finalized.</li> <li>– Make sure the disc is not scratched or warped.</li> <li>– The disc is of a different region code.</li> <li>– You may need to enter the password in order to unlock the disc for playback.</li> <li>– Moisture may have condensed inside this unit. Remove the disc and leave this unit turned on for about an hour.</li> </ul>
<b>The aspect ratio of the screen cannot be changed even though you have set the TV display.</b>	<ul style="list-style-type: none"> <li>– The aspect ratio is fixed on the DVD disc.</li> <li>– Depending on the TV, it may not be possible to change the aspect ratio.</li> </ul>
<b>Cannot activate some features such as Angles, Subtitles, or multi-language Audio.</b>	<ul style="list-style-type: none"> <li>– The features may not be available on the DVD.</li> <li>– Changing the language for the sound or subtitle is prohibited on this DVD.</li> </ul>
<b>Not able to select some items in the setup/system menu.</b>	<ul style="list-style-type: none"> <li>– Press STOP button twice before selecting the disc setup menu.</li> <li>– Depending on the disc availability, some menu items cannot be selected.</li> </ul>
<b>Picture freezes momentarily during playback.</b>	<ul style="list-style-type: none"> <li>– Check the disc for fingerprint/scratches and clean with a soft cloth wiping from center to edge.</li> </ul>
<b>Unable to select Progressive Scan on/off.</b>	<ul style="list-style-type: none"> <li>– Check that the video output of this unit is connected using the Component Video (Y Pb Pr) jacks.</li> <li>– Remove the HDMI connection.</li> </ul>

## Troubleshooting (continued)

Problem (Playback)	Solution
<b>No sound during DivX® movies playback.</b>	<ul style="list-style-type: none"> <li>– The audio codec may not be supported by this unit.</li> </ul>
<b>An DivX® movies does not repeat.</b>	<ul style="list-style-type: none"> <li>– Check that file size of the movie does not exceed the file size of the disc during downloading.</li> </ul>
<b>Certain DivX® files does not play or are skipped.</b>	<ul style="list-style-type: none"> <li>– Check that the DivX movie downloaded is a complete file.</li> <li>– Make sure the file name extension is correct. You can check this using a computer with CD-ROM.</li> <li>– The player is designed to play DVD, VCD, CD audio, MP3 and DivX® discs only. Other digital audio formats such as liquid audio, RM (RealMedia), WAV or non-audio files like '.doc', '.txt', '.pdf' are not supported.</li> <li>– Try to play the problem DivX® files on a computer. If they do not work, the source file appears to be corrupted.</li> <li>– Try to download the file again from a different source. If you have created the file yourself, save it with the correct settings.</li> </ul>
<b>No audio output from HDMI connection.</b>	<ul style="list-style-type: none"> <li>– You will not hear any sound from the HDMI output if the source device is only DVI/HDCP (High-bandwidth Digital Content Protection)-compatible.</li> <li>– It is not possible to output or copy-controlled DVD-Audio sources from the HDMI connection.</li> <li>– Make sure that the audio output setting is not turned off. See 'Setup Menu Options - { Audio Setup Page - HDMI Audio Setup }' for details.</li> </ul>
<b>No video output from HDMI connection.</b>	<ul style="list-style-type: none"> <li>– HDMI connection can only be made to HDMI-equipped devices with HDCP (High Bandwidth Digital Content Protection). If you wish to connect to a DVI connector (equipped with HDCP), you need a separate adaptor (DVI to HDMI).</li> <li>– Make sure the resolution of this unit matches the device you have connected using the HDMI. See 'Setup Menu Options - { Video Setup Page - HDMI Video Setup }' for details.</li> <li>– During resolution selection for DVI TV, a distorted or black screen may appear, see HDMI Video Setup.</li> </ul>

## Glossary

**Analog audio:** Sound that has not been turned into numbers. Analog sound is available when you use the AUDIO LEFT/RIGHT jacks. These red and white jacks send audio through two channels, the left and right.

**Aspect ratio:** Aspect ratio refers to the length to height ratio of TV. The ratio of a standard TV is 4:3, while the ratio of a high-definition or wide TV is 16:9. The letter box allows you to enjoy a picture with a wider perspective on a standard 4:3 screen.

**Bit Rate:** The amount of data used to hold a given length of music; measured in kilobits per second, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a disc.

**Chapter:** Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

**CVBS:** Composite video (or Composite Video Blanking and Sync). A single video signal commonly used in most consumer video products.

**Disc menu:** A screen display prepared for allowing a selection of images, sounds, subtitles, multi-angles, etc., recorded on a DVD.

**DivX:** The DivX code is a patent-pending, MPEG-4 based video compression technology, developed by DivX Networks, Inc., that can shrink digital video to sizes small enough to be transported over the internet, while maintaining high visual quality.

**Dolby Digital:** A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, center and subwoofer).

**HDMI:** High-Definition Multimedia Interface (HDMI) is a high-speed digital interface that can transmit uncompressed high definition video and digital multichannel audio. It delivers perfect picture and sound quality, completely free from noise. HDMI is fully backward-compatible with DVI. As required by the HDMI standard, connecting to HDMI or DVI products without HDCP (High-bandwidth Digital Content Protection) result in no Video or Audio output.

**HDCP** (High-bandwidth Digital Content Protection) is a specification that provides a secure transmission of digital contents between different devices (to prevent unauthorized copyright).

**JPEG:** A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio. Files are recognized by their file extension 'JPG or JPEG'.

## Glossary (continued)

**MP3:** A file format with a sound data compression system. 'MP3' is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer3. By using the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

**Multi-channel:** DVDs are formatted to have each sound track constitute one sound field. Multi-channel refers to a structure of sound tracks having three or more channels.

**Parental Control:** A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

**PBC:** Playback Control. A system of navigating a Video CD/Super VCD through on-screen menus recorded onto the disc. You can enjoy interactive playback and searching.

**PCM (Pulse Code Modulation):** A system for converting analog sound signal to digital signal for later processing, with no data compression used in conversion.

**Progressive Scan:** The progressive scan displays twice the number of frames per second than in an ordinary TV system. It offers higher picture resolution and quality.

**Region code:** A system allowing discs to be played only in the region designated. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking at the product label. Some discs are compatible with more than one region (or ALL regions).

**Title:** The longest section of a movie or music feature on DVD. Each title is assigned a title number, enabling you to locate the title you want.

**VIDEO OUT (CVBS) AUDIO OUT R/L jack:** Jack on the back of this unit that sends out audio and video signals to the TV.

**WMA:** Windows Media™ Audio. Refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 9 or Windows Media Player for Windows XP. Files are recognized by their file extension 'WMA'.

# Specifications

## TV STANDARD

	(PAL/50Hz)	(NTSC/60Hz)
Number of lines	625	525
Playback	Multistandard (PAL/NTSC)	

## VIDEO PERFORMANCE

Video DAC	12 bit, 108 MHz
Y Pb Pr	0.7 Vpp ~ 75 ohm
Video Output	1 Vpp ~ 75 ohm

## VIDEO FORMAT

Digital	MPEG 2 for DVD, SVCD
Compression	MPEG 1 for VCD DivX®

DVD	50 Hz	60 Hz
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines

VCD	50 Hz	60 Hz
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

## AUDIO FORMAT

Digital	MPEG/ AC-3/ PCM	compressed Digital 16, 20, 24 bits fs, 44.1, 48, 96 kHz
	MP3 (ISO 9660)	96, 112, 128, 256 kbps & variable bit rate fs, 32, 44.1, 48 kHz

Analog Sound Stereo  
Dolby Surround compatible downmix from  
Dolby Digital multi-channel sound

## AUDIO PERFORMANCE

DA Converter	24 bit, 192 kHz
DVD	fs 96 kHz    4 Hz - 44 kHz fs 48 kHz    4 Hz - 22 kHz
SVCD	fs 48 kHz    4 Hz - 22 kHz fs 44.1 kHz   4 Hz - 20 kHz
CD/VCD	fs 44.1 kHz   4 Hz - 20 kHz
Signal-Noise (1kHz)	> 90 dB
Dynamic range(1kHz)	> 80 dB
Crosstalk (1kHz)	> 70 dB
Distortion/noise (1kHz)	> 65 dB
MPEG MP3	MPEG Audio L3

## CONNECTIONS

Y Pb Pr Output	Cinch 3x
Video Output cum	
Audio Output*(L+R)	3.5mm jack (1x)
Digital Output	1 coaxial IEC60958 for CDDA / LPCM IEC61937 for MPEG 1/2, Dolby Digital

HDMI Output

\* — Audio and Video output share one jack at the rear panel of this unit.

## CABINET

Dimensions (w x h x d)	305 x 187 x 98 mm
Weight	Approximately 1.4 kg

## POWER CONSUMPTION

Power Supply Rating	110 V – 240 V; 50/60 Hz
Power consumption	< 10 W
Power consumption in Standby mode	< 1 W

Specifications are subject to change without prior notice.



